

IAS Mains Geology 1998

Paper II

Section A

1. Write notes on any three of the following in about 200 words each:
 - a. Laue diffraction pattern
 - b. Charnockite
 - c. Optic-orientation in crystals
 - d. Co-ordination number
2. Taking plagioclase feldspars as an example, illustrate the phenomenon of solid solution.
3. What are Interference Figures? Describe them.
4. Briefly describe textures found in Igneous Rocks.

Section B

5. Write notes on any three of the following in about 200 words each:
 - a. Placer deposits
 - b. Gangue minerals
 - c. Strategic minerals
 - d. Groundwater recharge
6. Give an account of the mica deposits of India.
7. Explain the use of aerial photos in geological investigations.
8. Give an account of the oil-fields of India.